Examining the Teaching and Learning of Mathematical Proof

Dr. Kristen Lew
Texas State University

2:15–3:15pm in Derrick 330
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Abstract: My research program has largely focused on better understanding the teaching and learning of mathematical proof. In this talk, I give an overview of my research program and its trajectory. I will discuss studies of instructional and mathematical practices, the language of mathematical proving, and proof comprehension. I will discuss on-going work concerning the development of research-based curricular materials, as well as intentions for my future work.

Speaker Dr. Kristen Lew is an assistant professor in mathematics education at Texas State University. She earned her PhD in Mathematics Education from the Graduate School of Education at Rutgers University. Kristen's work focuses on the teaching and learning of mathematical proof at the undergraduate level. She is involved in multiple NSF grants and her work is published in mathematics education journals such as: Journal for Research in Mathematics Education, Educational Studies in Mathematics, and The Journal of Mathematical Behavior.